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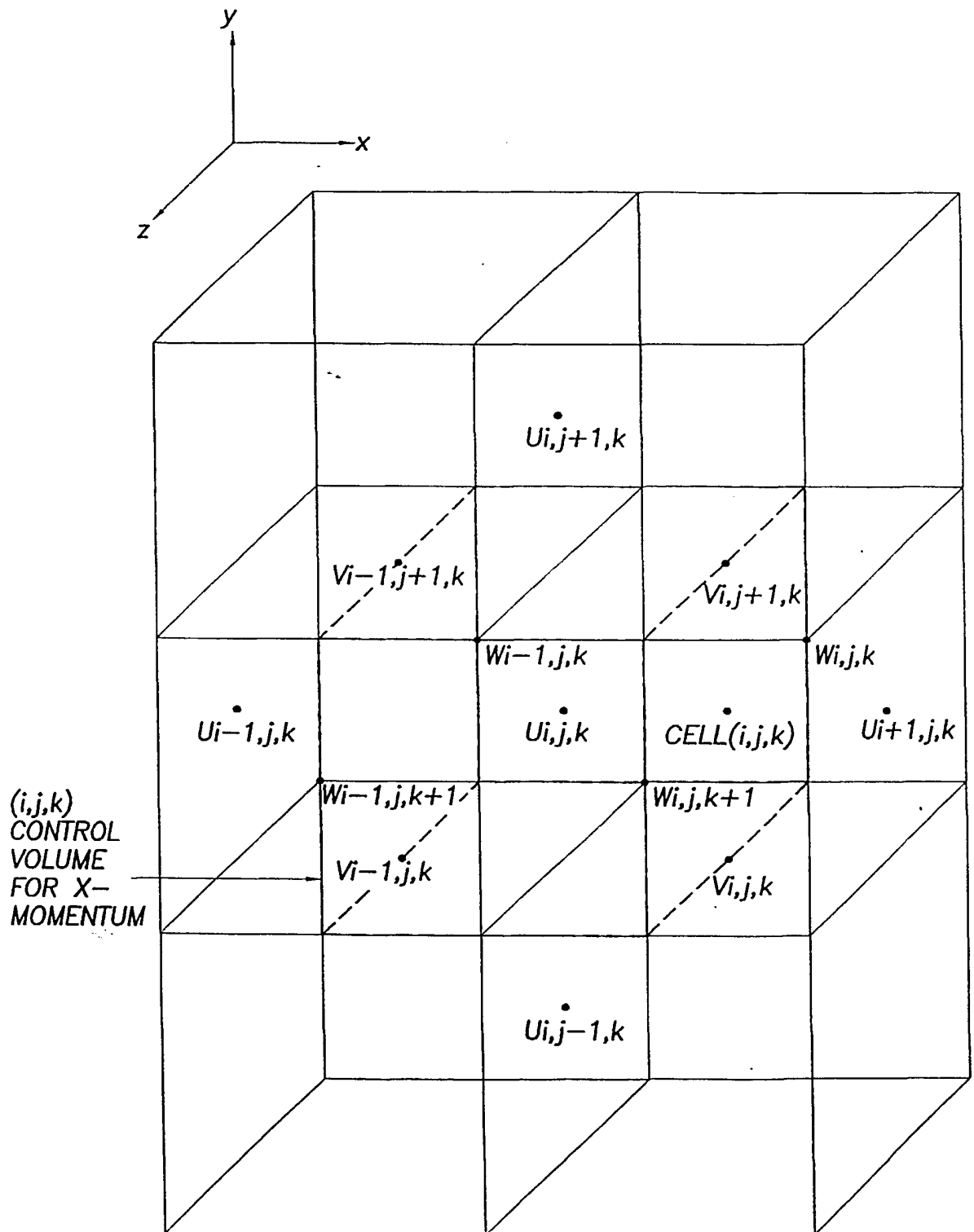


FIG. 1

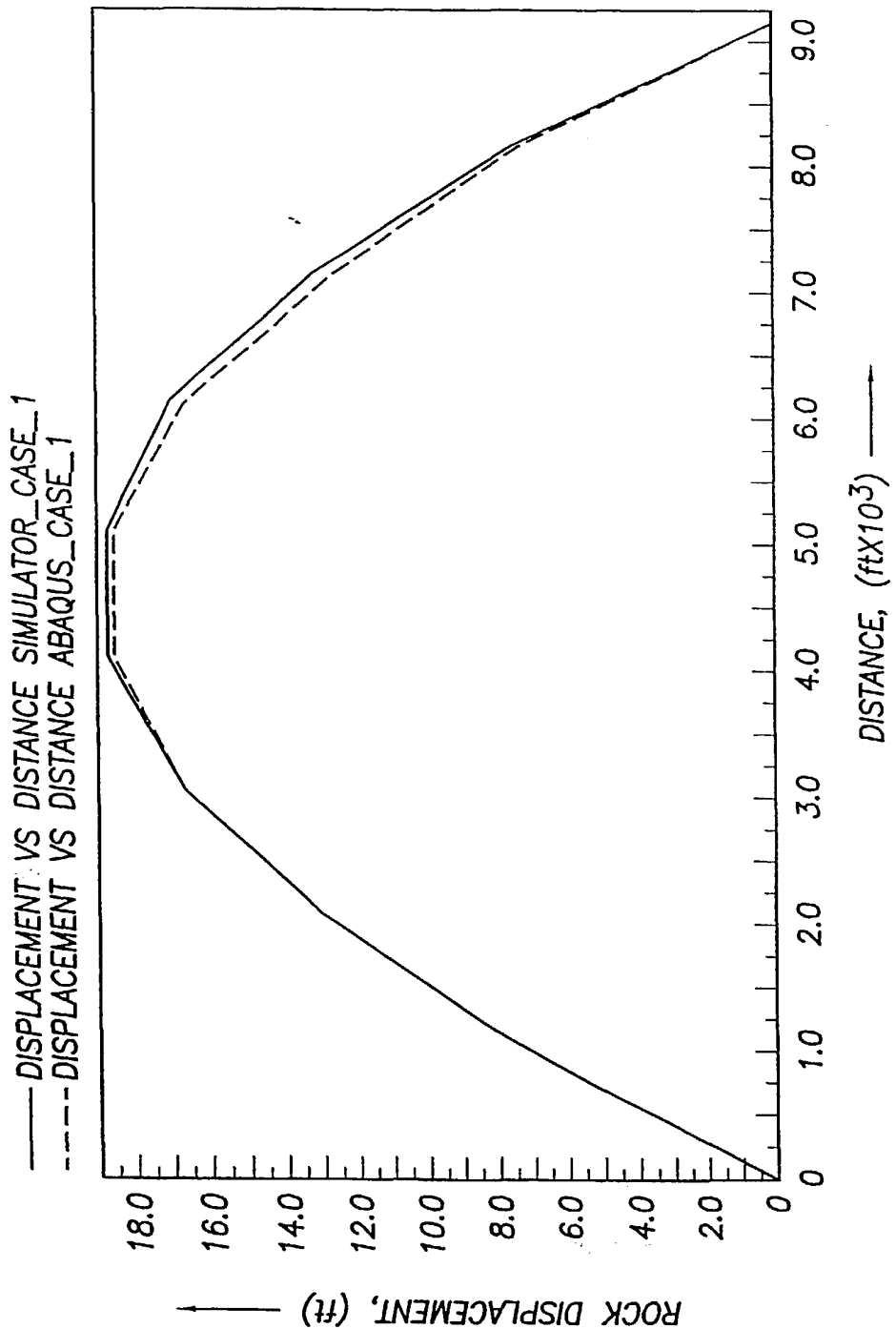


FIG.2

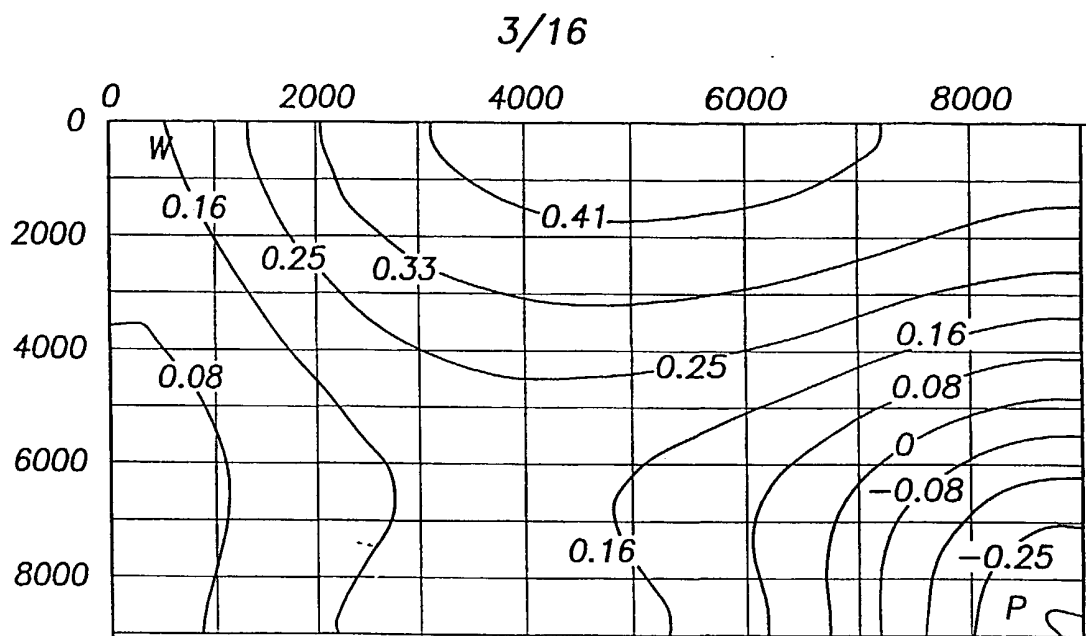


FIG. 3A

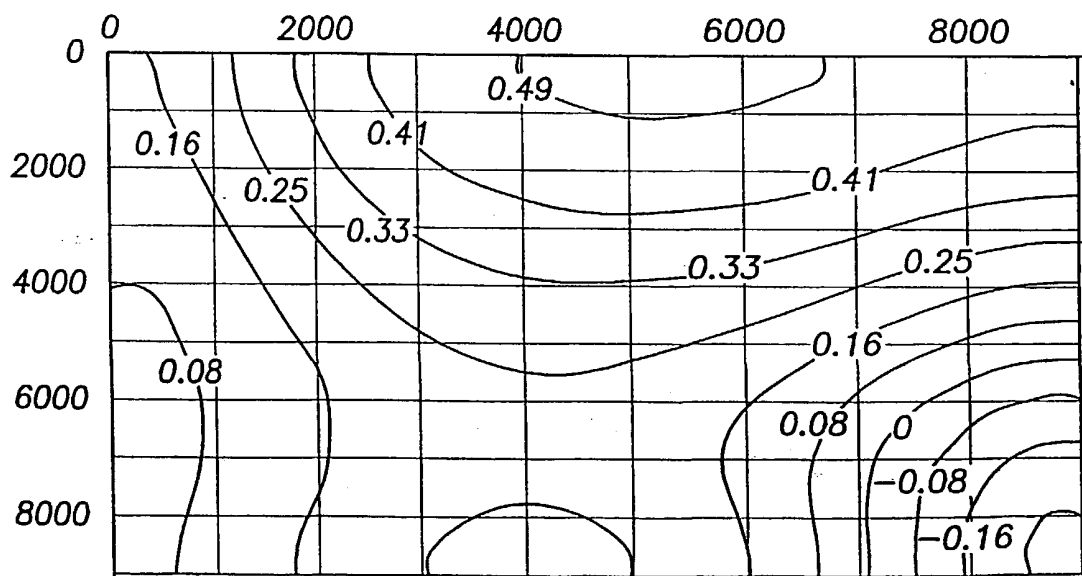


FIG. 3B

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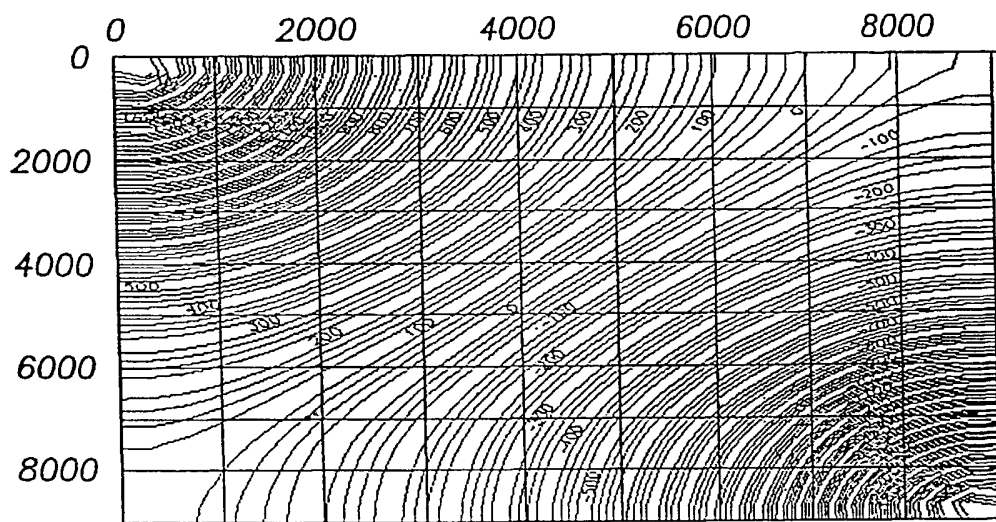


FIG. 4a1

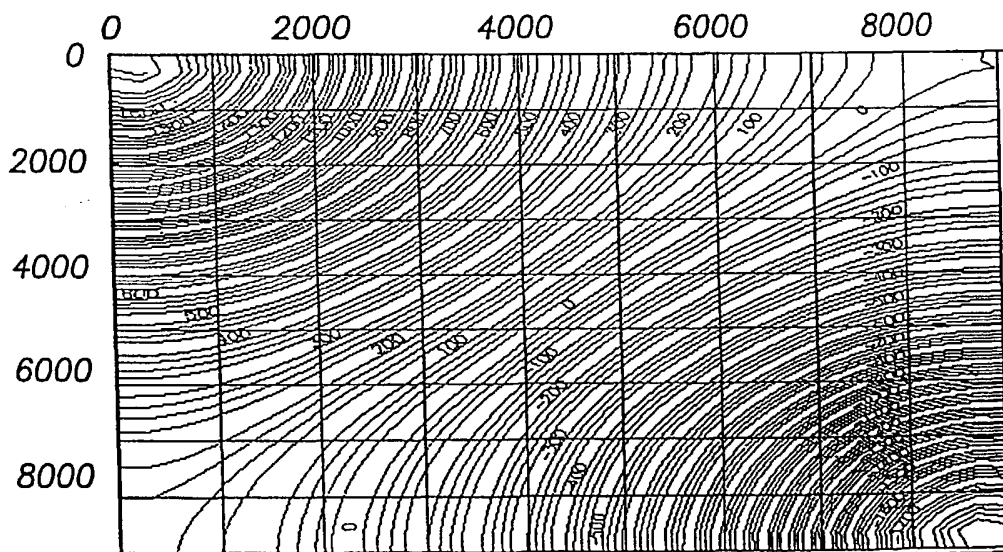


FIG. 4a2

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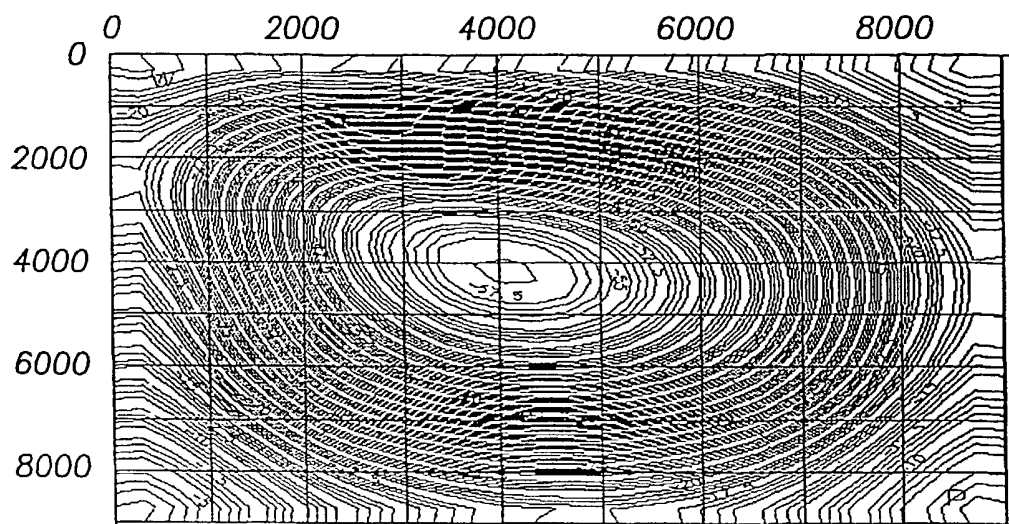


FIG. 4b1

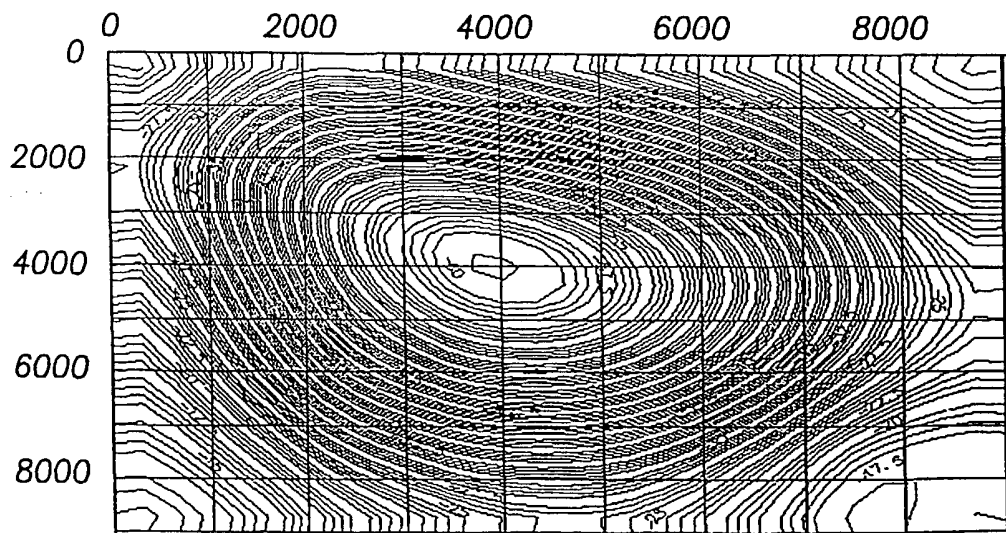


FIG. 4b2

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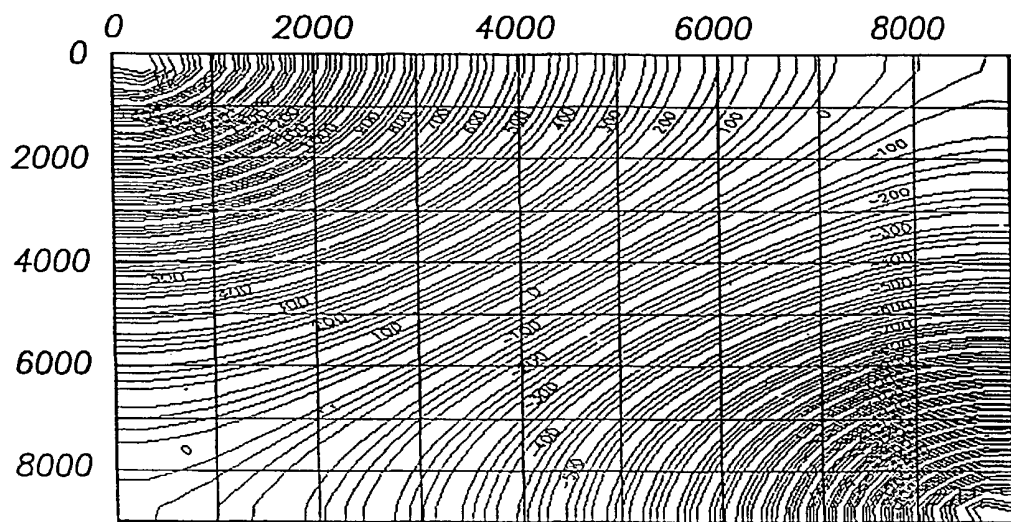


FIG. 4c1

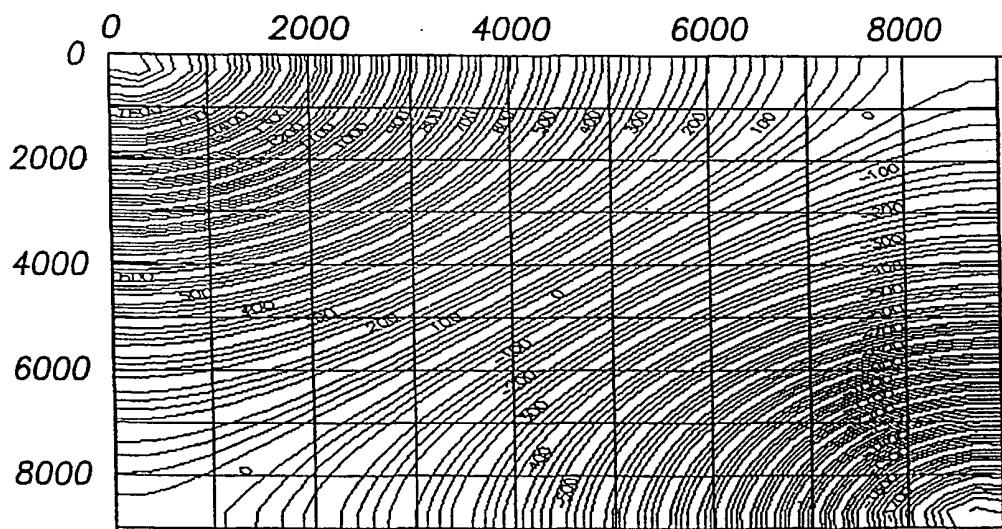


FIG. 4c2

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SIMULATION PARAMETERS USED IN COMPARING ABAQUS AND RESERVOIR SIMULATOR PREDICTIONS			
CASE	GRID DIMENSIONS	YOUNG'S MODULUS	POISSON'S RATIO
1	9x1x1	10 GPa	0.4
2	9x1x1	.1 GPa	0.3
3	4x1x3	10 GPa	0.4
4	4x1x3	.1 GPa	0.3
5	9x1x3	10 GPa	0.4
6	9x1x3	.1 GPa	0.3

FIG.4d

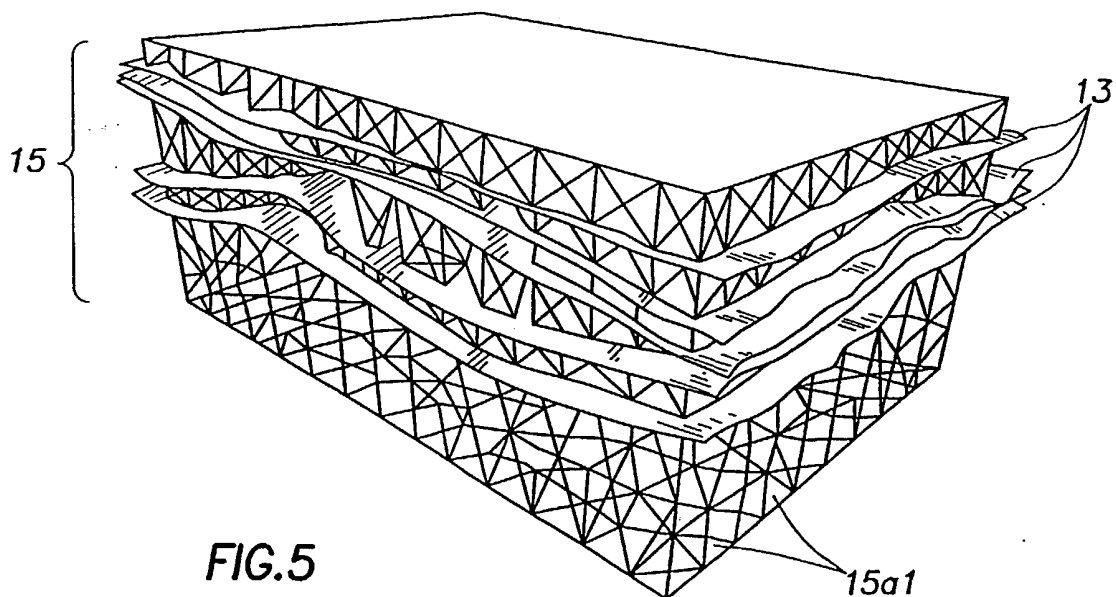


FIG.5

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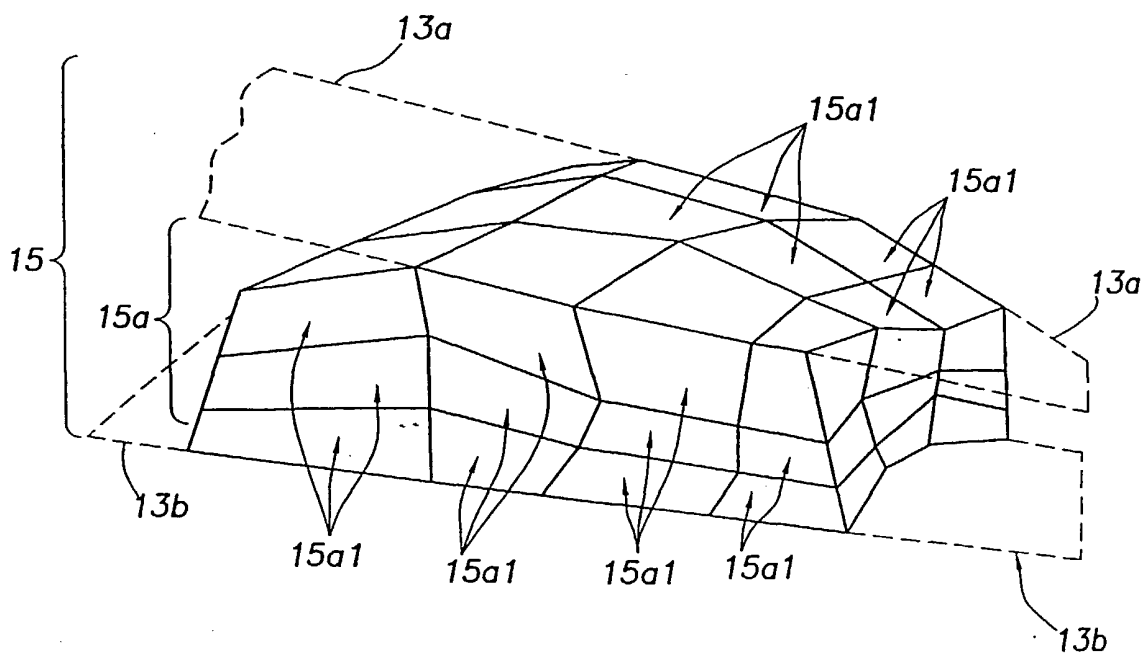


FIG. 6

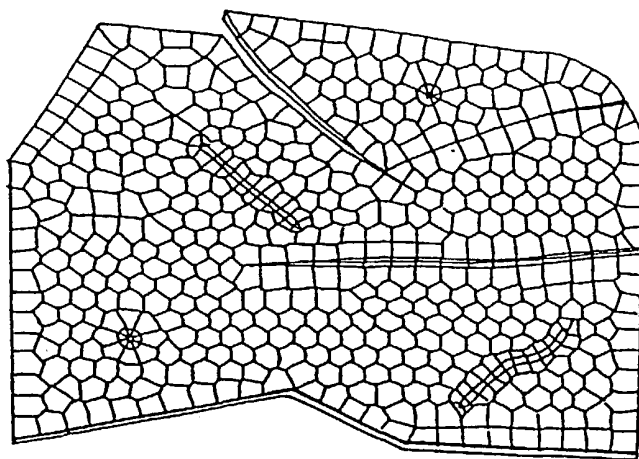


FIG. 7

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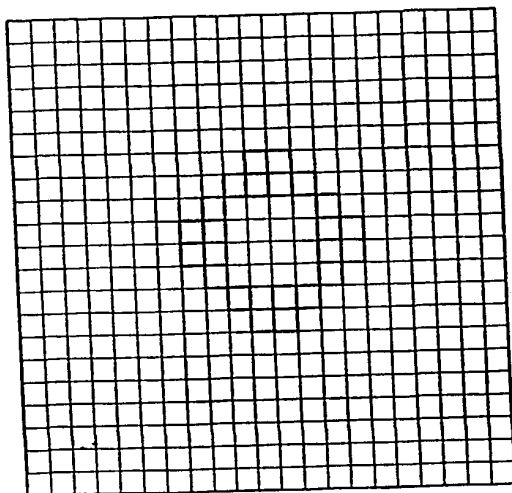


FIG.8

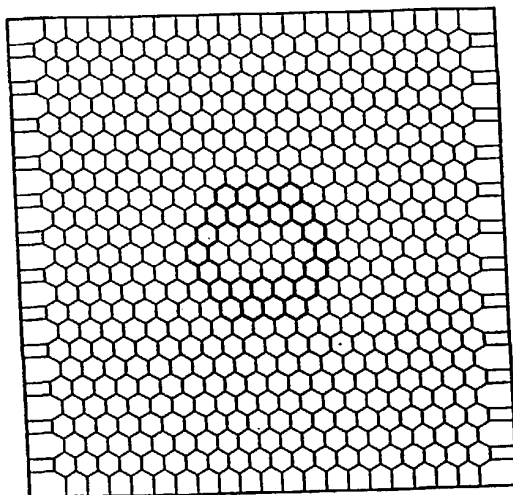


FIG.9

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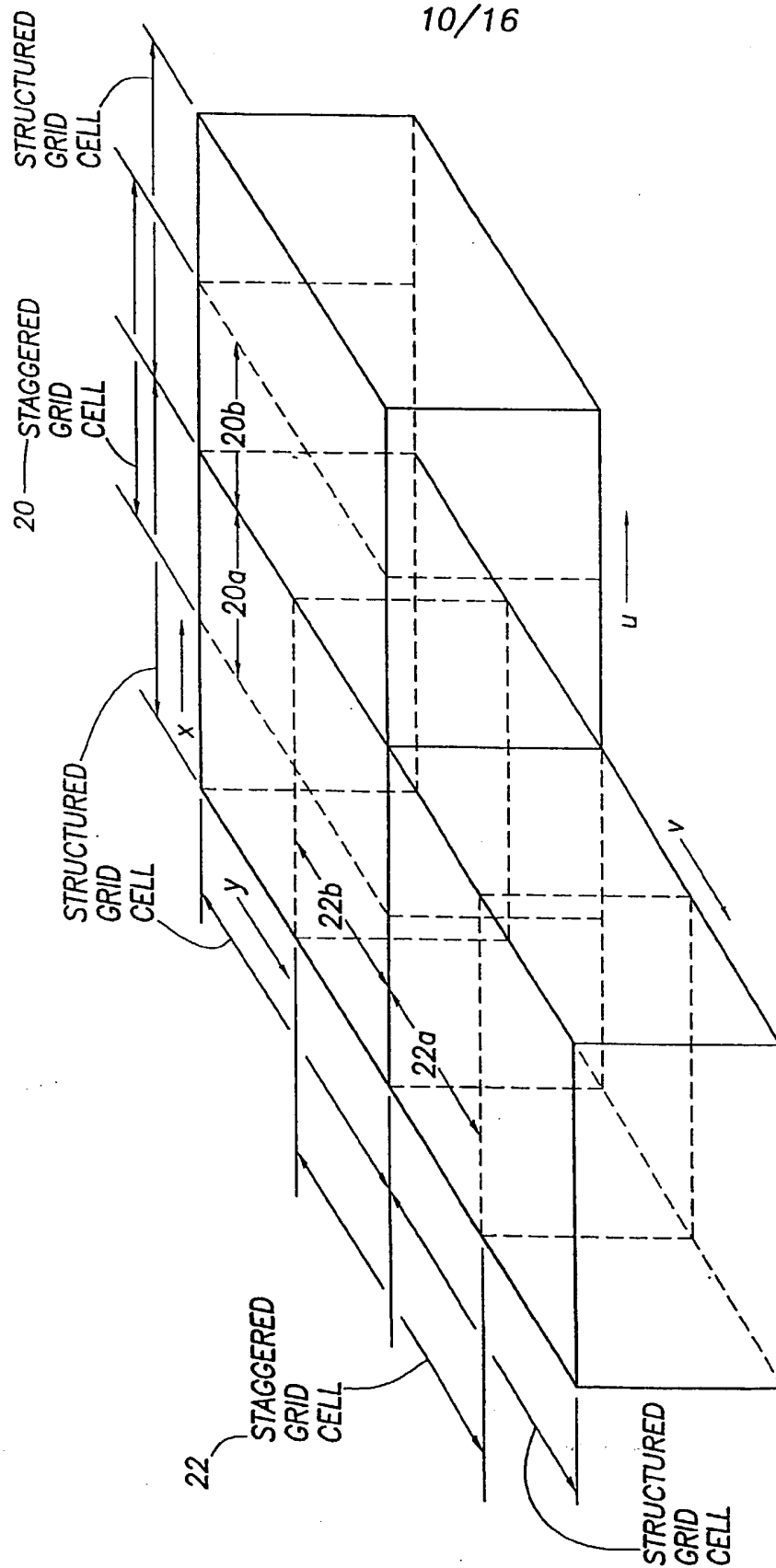
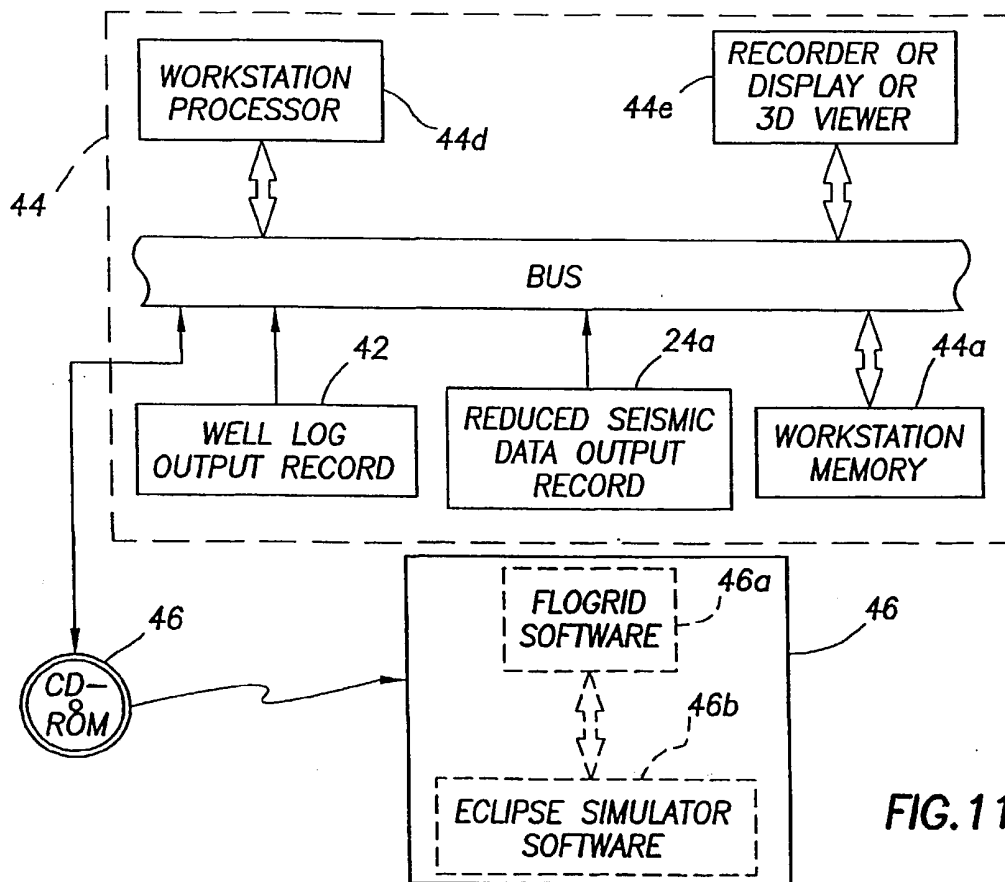
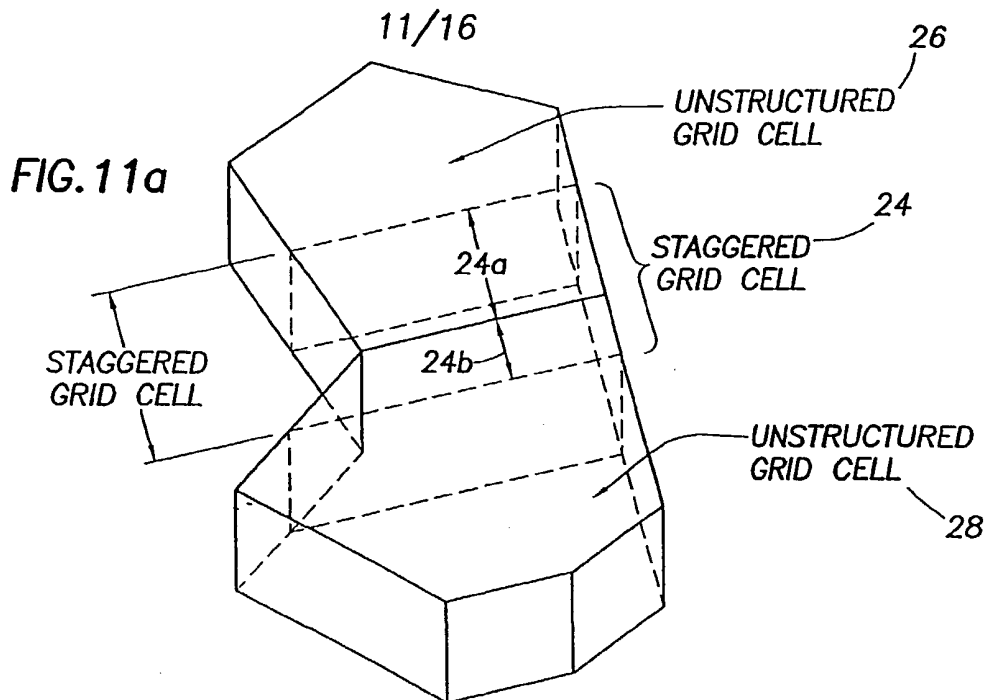
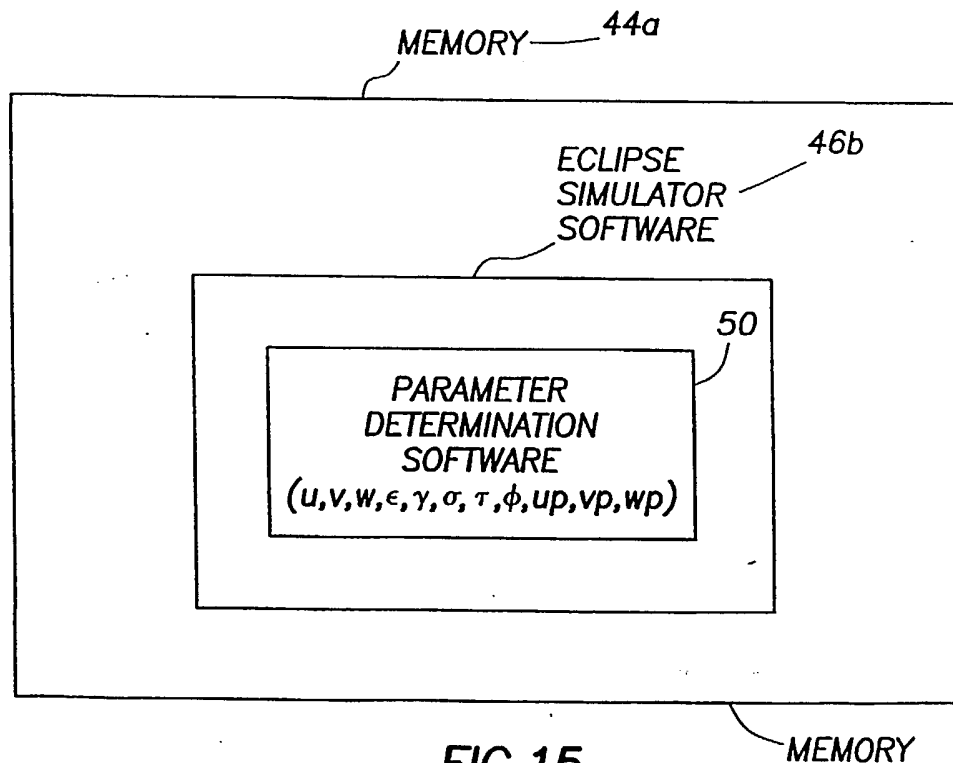
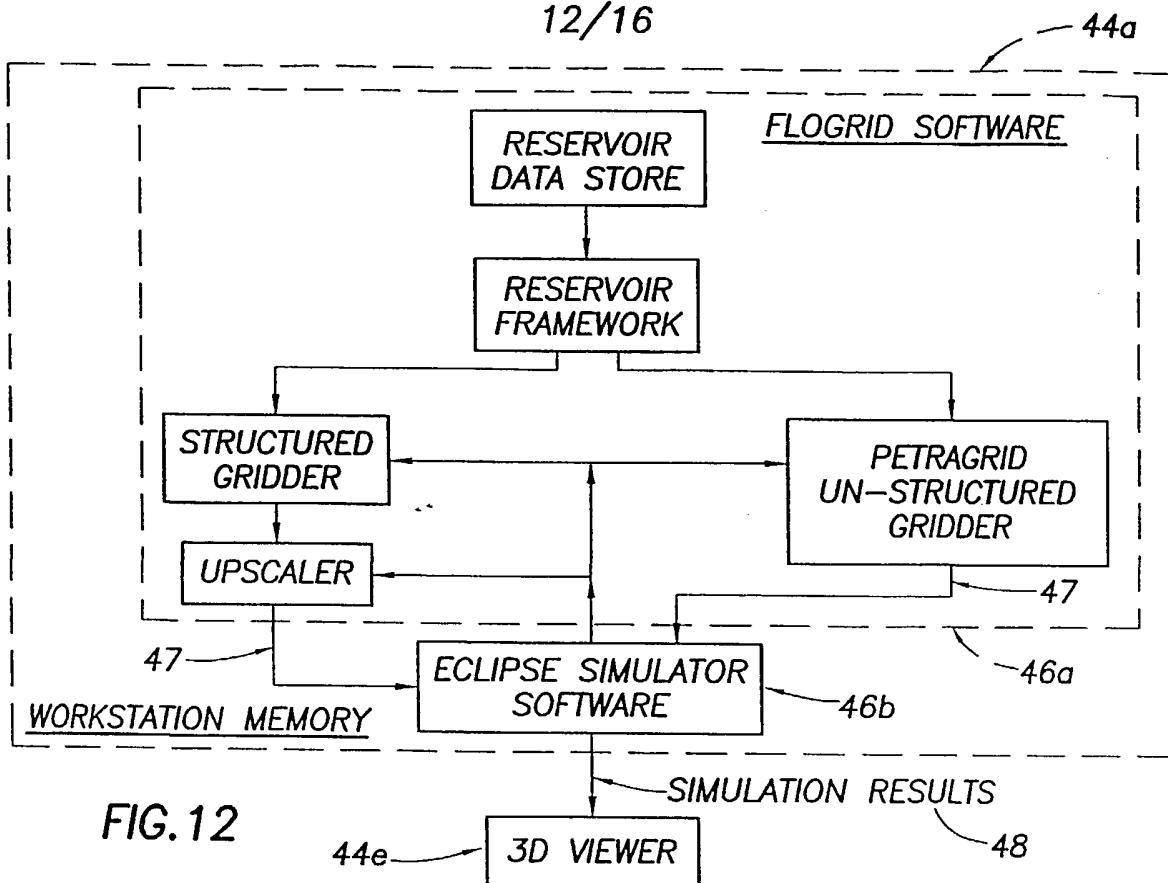


FIG.10



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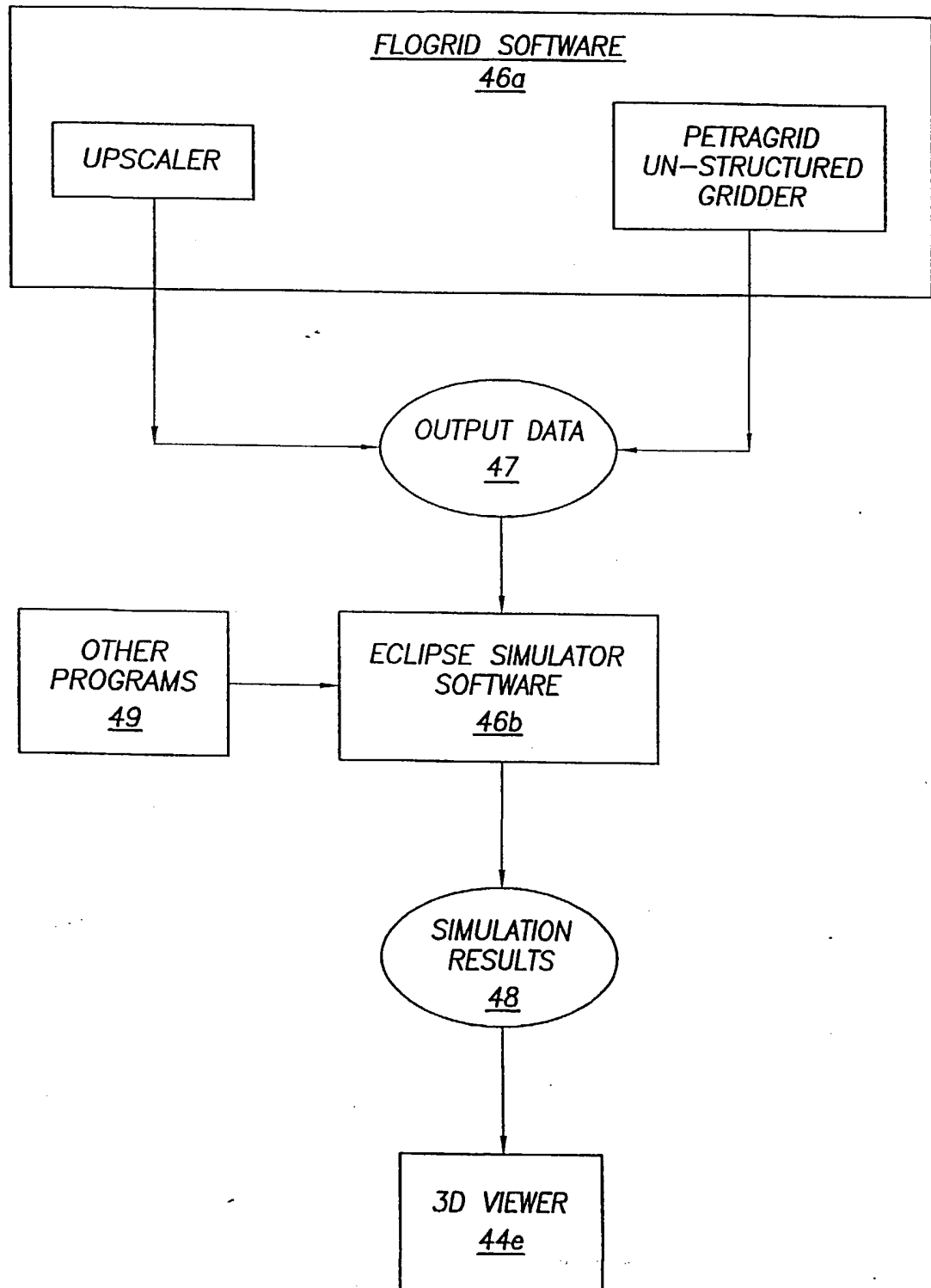


FIG.13

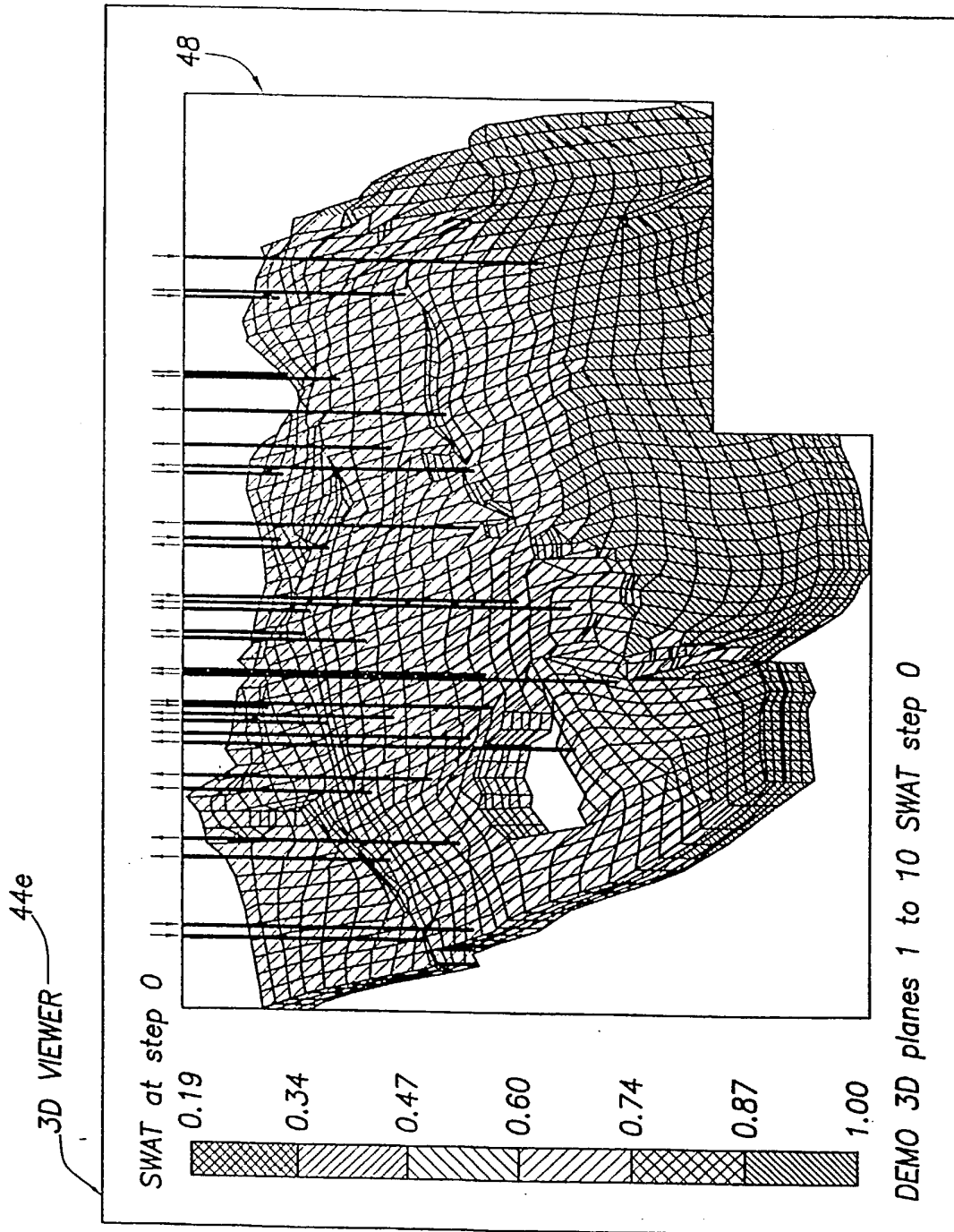


FIG.14

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RECORDER OR
DISPLAY DEVICE 44e

PARAMETERS											
	u	v	w	ϕ	ϵ	γ	σ	τ	u_p	v_p	w_p
SGB1											
SGB2											
SGB3											
\vdots											
SGBn											

44e

FIG.16

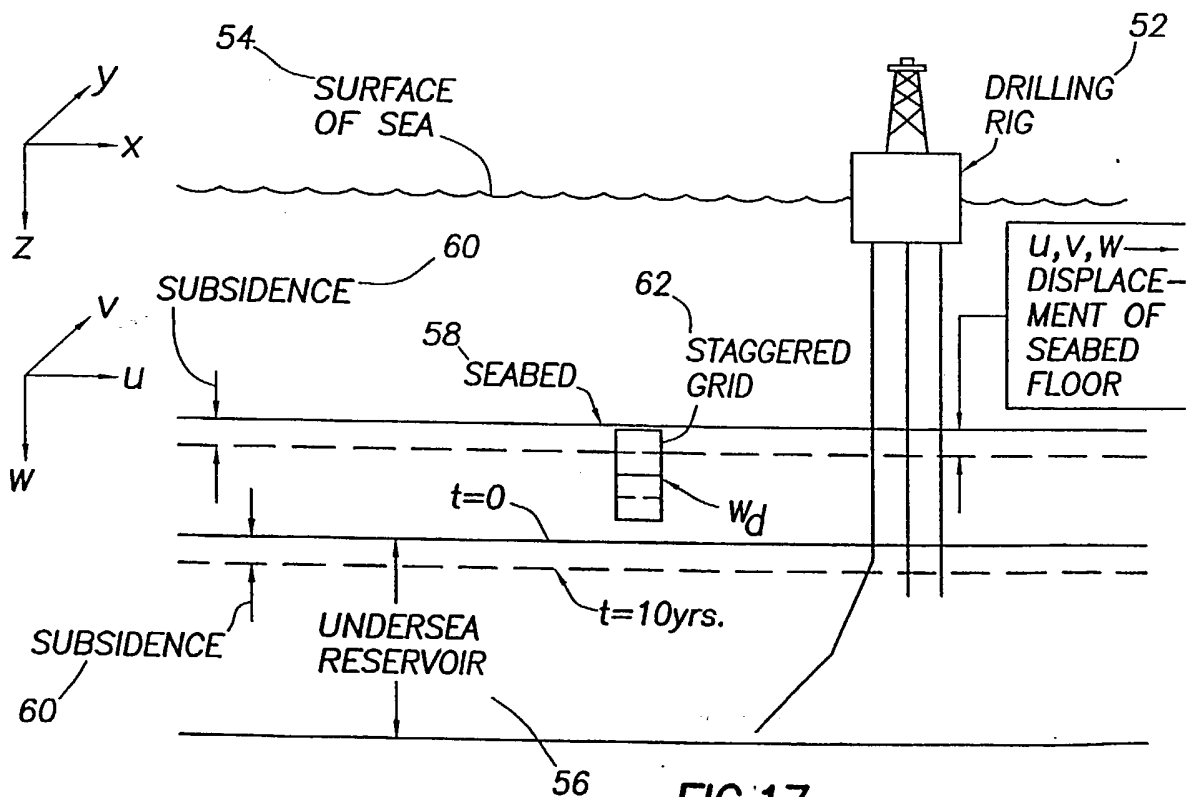


FIG.17

FIG. 18

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